

HXPA1192G Power Amplifier

1. Description

ID	Items	Specifications
1-1	Type	Power Amplifier
1-2	Frequency Range	2GHz ~ 20GHz
1-3	Gain	≥30dB
1-4	Gain Flatness	≤±3.0dB
1-5	Output 1dB Compression Point(P1dB)	≥29dBm
1-6	Saturated Output Power (Psat)	≥30dBm
1-7	Saturated Output Power Flatness	≤±1.5dB@4 GHz ~ 20GHz
1-8	Input VSWR	≤2.0
1-9	Isolation S12	≥50dB
1-10	Spurious	≤-60dBc
1-11	Harmonic	-15dBc Typical
1-12	Noise Figure	/
1-13	Impedance	50Ω
1-14	Input/ Output Connectors	SMA-F
1-15	Control Connectors	Feed through Capacitor
1-16	Control	TTL(0V ~ 0.8V=OFF/3.3V ~ 5V=ON)
1-17	DC Power Supply	+24V /≤1A

2. Absolute Maximum Ratings

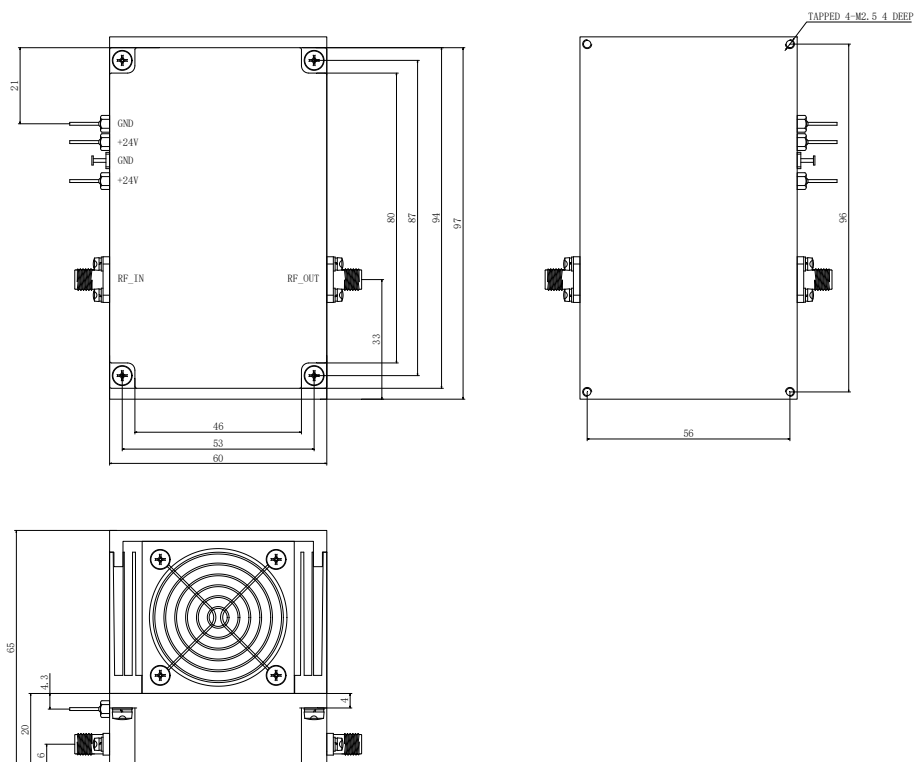
ID	Parameter	Rating
2-1	Operating Voltage	+20V ~ +30V
2-2	RF Input Power	≤5dBm

3. Environmental Specifications

ID	Items	Specifications
3-2	Operational Temperature	-40℃ ~ +70℃
3-3	Storage Temperature	-40℃ ~ +70℃

4. Outline Drawing

ID	Items	Specifications
4-1	Outline Drawing	Unit: mm
Tolerances:±0.2mm		



4-2	Material	Aluminum
4-3	Finish	Nickel Plated
4-4	Weight	/

5. Note

5-1	Should be take the ESD protection during use.
5-2	Exceeding the rated input power limit may cause the product to burn out.
5-3	Avoid using in extreme temperature, humidity, or corrosive environments.
5-4	Good grounding can reduce EMI and RFI.
5-5	All specifications are subject to change without notice at any time.